



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894



Mr. James Kelsea
Wausau Papers of NH, Inc.
3 Mechanic Street
Groveton, NH 03582

May 17, 2002

Letter of Deficiency
DAM #182.04

RE: Red Dam, Northumberland

Dear Mr. Kelsea:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on October 19, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

1. The downstream face of the gate structure (located under the gatehouse) is missing several boards;
2. The right downstream face of the pier between the far right gate (gate 1) and the gate to its left (gate 2) has rotted timber;
3. The timber right abutment wall located downstream is bowing out. It appears unstable;
4. The right abutment on the upstream embankment adjacent to the gatehouse lacks a hearty vegetative cover; and
5. There is no operation and maintenance plan (O&M) on file with the DES.

See attached sketch for location of items 1-4.

A great deal of work has been done to the spillway and left abutment. Both these areas are in excellent condition and DES is pleased with the amount of work that has been done to date.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

July 1, 2002:

1. Investigate and report on the stability of the timber structures that lie below the gatehouse. These structures include but are not limited to the downstream face of the gate structure, the right abutment timber wall located downstream, and all timber piers located beneath the right gatehouse structure;

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2. Replace any timber structure that is not stable as a result of the stability analysis mentioned above;
3. Re-vegetate the right embankment on the upstream side, within 20 feet of the gatehouse; and

December 1, 2002:

4. Prepare and submit to the DES a written O&M plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

Amy C. Clark, P.E.
Dam Safety Engineer

Attachments: Sketch of the observed deficiencies, Guideline for an O&M plan, DB13
cc: Gretchen Rule

Town of Northumberland
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